

**DOZUKI**

# How to Build a Speaker Box

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## TOOLS:

- [Jig \(2\)](#)
- [Panel Saw \(1\)](#)
- [Router \(1\)](#)
- [Stapler \(1\)](#)



## PARTS:

- [MDF Board \(1\)](#)
- [Wood Glue \(1\)](#)

## SUMMARY

Box building can be a profitable part of any installation. Knowing how to sell it and being able to build it quickly will demonstrate your skills and knowledge as a certified installer. These are the steps used to build a subwoofer enclosure for a specific vehicle that is tuned to a specific frequency.

## Step 1 — Cutting Your MDF (Medium Density Fiberboard)



- Panel Saw is used for precuts only, this tool allows us to slide a full sheet of  $\frac{3}{4}$ " MDF directly onto the saw with out any type of heavy lifting. It also allows for a much smaller table saw. As we all know space is very valuable.

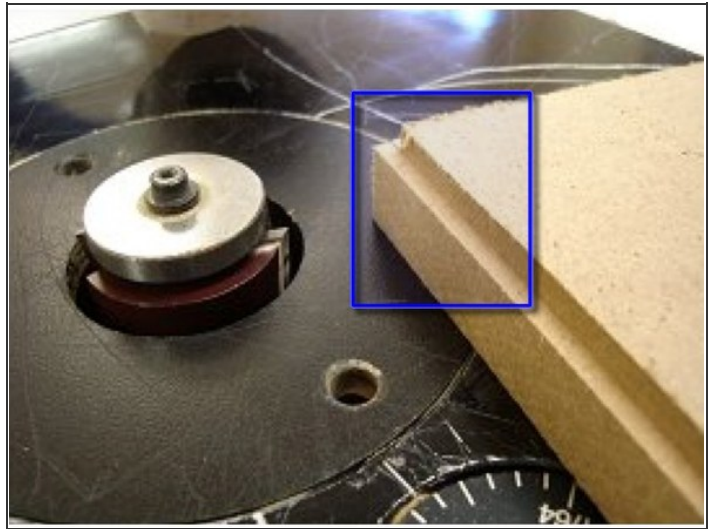
## Step 2 — Finish Cuts



- All final cuts are done on the table saw.
- The table saw can be very dangerous. Be sure you have a guard on the saw and use a push stick when ever working with small or thin pieces of material.



### Step 3 — Router Time



- Now that the box is cut, take the sides of the enclosure to the router to rabbit a lip around the edge.
- The router should remove about 1/8" of MDF and should leave a lip all the way around the outside of the side pieces. This lip will give us an area to tuck our carpet in once the enclosure is built.



## Step 4 — Box Assembly



- We teach that it is best to attach the top and bottom to the sides of the enclosure first. This will allow you to tweak the box to match up perfectly with the front and back of the enclosure.
- Please note the routed lip must face away from the enclosure and should look set into the box.
- A pneumatic crown stapler and wood glue are the proper methods to attaching MDF, the staples hold the enclosure in place until the glue has time to dry.
- If you are liberal with the glue you can create perfectly sealed seams that will not leak air.



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